

PERMIT APPLICATION NUMBER: NRS#04.355

APPLICANT: Memphis-Shelby County Airport Authority
Office of the Vice President of Operations
2491 Winchester Road, Suite 113
Memphis, Tennessee 38116-3856
(901) 922-8033

LOCATION: The proposed project is located at the Memphis International Airport on Hurricane Creek, Shelby County, Tennessee.

WATERSHED DESCRIPTION: Hurricane Creek is located in the Nonconnah Creek Watershed (HUC TN08010211). Hurricane Creek is a Third Order stream. Sixty-five percent of the watershed is in Tennessee with the remainder in Mississippi. Nonconnah Creek flows into McKellar Lake before entering the Mississippi River. The watershed is heavily urbanized. Nonconnah Creek is on the State of Tennessee's 303(d) list of water quality limited streams and lakes. Over half of the watershed has been assessed with only 12 percent fully supporting. Urban runoff, collection system failures and channelization impair the most stream miles. EPA has approved pathogens (Total Maximum Daily Loads) TMDLs on seven streams (118 miles) listed for pathogens. Nonconnah Creek has a fish tissue advisory from the mouth to Horn Lake Road Bridge for chlordane and other toxic organic substances.

DESCRIPTION: The proposed project is the installation of approximately 480 linear feet, triple barrel 16 x 14 box culvert to facilitate airport expansion. The location of the crossing is interior to the airport and not on a public thoroughfare. Compensatory mitigation for the approximately 480 linear feet of stream loss must be accomplished through the Tennessee Stream Mitigation Program (TSMP).

PERMIT COORDINATOR: Dorsey Horne, STATE OF TENNESSEE, Department of Environment and Conservation, Division of Water Pollution Control, 7th Floor, L & C Annex, 401 Church Street, Nashville, Tennessee 37243-1534

USGS QUAD: SOUTHEAST MEMPHIS 409-SW





